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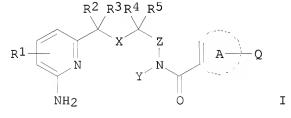
L6 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2000:260244 HCAPLUS
DOCUMENT NUMBER: 132:279120
TITLE: Preparation of 2-aminopyridines as nitric oxide synthase inhibitors
INVENTOR(S): Connolly, Stephen; Cox, David
PATENT ASSIGNEE(S): AstraZeneca UK Limited, UK; Astrazeneca AB
SOURCE: PCT Int. Appl., 35 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000021934	A1	20000420	WO 1999-SE1829	19991011
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
PRIORITY APPLN. INFO.:			SE 1998-3518	A 19981015

OTHER SOURCE(S): MARPAT 132:279120
GI



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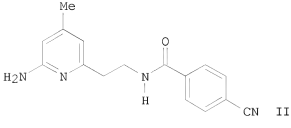

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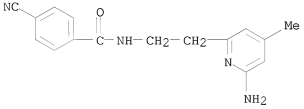
AB The title compds. [I; X = (CR6R7)n; R1 = H, alkyl, alkoxy, etc.; R2-R7 = H, alkyl; R2R4 = (CH2)m; Y = H, alkyl; R2Y = (CH2)p; R4Y = (CH2)p; Y is joined to the ortho position of ring A and represents (CH2)r; Z = a bond, CH2; Q = H, alkyl, alkoxy, etc.; A = Ph, 5-membered heterocyclyl containing 1-2 heteroatoms selected from O, S and N, 6-membered aromatic azacyclic ring containing 1-2 N atoms; m = 0-5; n = 0-3; p = 0-4; r = 0-3] and their pharmaceutically acceptable salts which are inhibitors of the enzyme nitric oxide synthase and are thereby particularly useful in the treatment of prophylaxis of inflammatory diseases such as inflammatory bowel disease, rheumatoid arthritis, and osteoarthritis, and pain, were prepared E.g., a multi-step synthesis of aminopyridine II.HCl which showed IC50 of < 25 μM against the human form of induced nitric oxide synthase, was given.

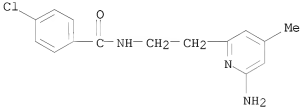
IT 263894-83-3P 263894-85-5P 263894-93-5P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of 2-aminopyridines as nitric oxide synthase inhibitors)

RN 263894-83-3 HCAPLUS
CN Benzamide, N-[2-(6-amino-4-methyl-2-pyridinyl)ethyl]-4-cyano-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

RN 263894-85-5 HCAPLUS
CN Benzamide, N-[2-(6-amino-4-methyl-2-pyridinyl)ethyl]-4-chloro- (CA INDEX NAME)



RN 263894-93-5 HCAPLUS
CN Benzamide, N-[2-(6-amino-4-methyl-2-pyridinyl)ethyl]-4-cyano- (CA INDEX NAME)

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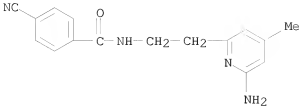

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